

argus

SHOWMASTER 822

SUPER EIGHT MOVIE CAMERA / *with instant cartridge loading*

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INTRODUCTION

Minor changes in the appearance of your camera may not be included in these illustrations.

With the purchase of your Argus Showmaster 822 Super Eight, you have joined an entirely new generation of movie makers who enjoy a completely different system of filming and showing home movies. Everything in the system . . . your camera, your projector, the film, splicer, editor, even the improved quality and larger size of the picture on the screen . . . is a new achievement in modern photographic technology, never possible until now. You can forget everything you ever knew or heard about 8mm movies before, and start enjoying a brand-new kind of fun!

The heart of the new system is the Super 8 instant-loading film cartridge. It is designed to take all the fuss and bother (and all the chances for mistakes) out of your movie-making hobby. Each cartridge contains enough film for fifty continuous feet of filming, threaded in its own transport mechanism, ready to shoot the instant you insert it in your automatic camera.

There are no spools to fumble with, no threading procedures, no winding, no reloading at the half-way point, no film-speed dials to adjust, no filters to install or remove, no exposure factors to calculate—in short, no bother or worries at all! The



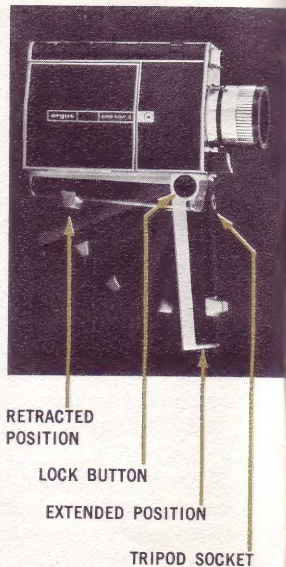
cartridge and the new automatic systems built into your camera do everything for you—nothing is left for you to do except have fun making movies. You never even touch the film!

The first time you take the camera out of its box, there are a few things to get ready before you start filming:

- 1 Install batteries to power your camera's electric drive.
- 2 Install the small battery that powers your camera's automatic electric-eye exposure control.
- 3 Insert an instant-loading film cartridge.

... and you are ready for the first scene. However, we suggest you read through all of these instructions before you load-up and start shooting.

After the batteries have been installed and the film cartridge is in place, setting the camera's Automatic-Manual Control to AUTO and unlocking the Trigger Release are all you ever have to do to get ready for filming! When you have exposed all of the film, open the camera, remove the cartridge and send it off for processing, insert another cartridge and continue shooting!



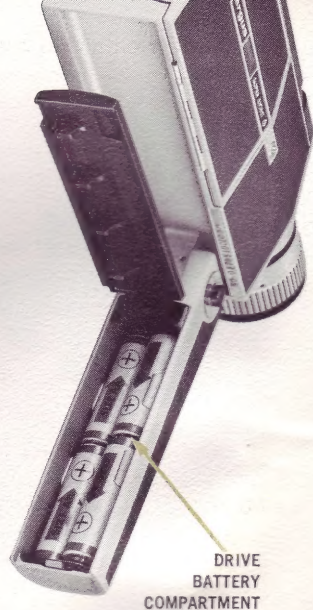
Now let's look closely at how all this automatic fun is built into your new camera . . .

PISTOL GRIP

Your Showmaster 822 features a retractable PISTOL GRIP which folds back against the base of the camera for easy storage when not in use. To extend the grip, grasp the bottom of the camera in the cup of your right hand, depress the pistol grip LOCK BUTTON with your thumb and swing the grip down and forward until it locks. Reversing this procedure, (pressing the button and swinging the grip back and upwards) locks it against the bottom of the camera again. With this grip in the retracted position, the camera can be mounted on a tripod, using the TRIPOD SOCKET provided.

INSTALLING DRIVE BATTERIES

With the pistol grip extended, open the DRIVE BATTERY COMPARTMENT by lifting the back cover of the pistol grip at the tip end. Install four size "AA" penlight batteries according to the positive-negative diagram inside the compartment (see illustration). These batteries supply power to run the camera's





drive motor. Press the TRIGGER RELEASE briefly to see that power is being supplied properly. If motor does not run, check battery installation for correct position and contact.

Your Argus dealer can supply you with several types of batteries. Some are high-energy types which provide much longer life. Any of the following kinds are suitable and will provide approximately the life shown, depending on their age, temperature conditions and other variables which effect battery life.

STANDARD CARBON ZINC	up to 5 cartridges
HEAVY DUTY CARBON ZINC	up to 8 cartridges
MANGANESE-ALKALINE	up to 25 cartridges
MERCURY	up to 36 cartridges

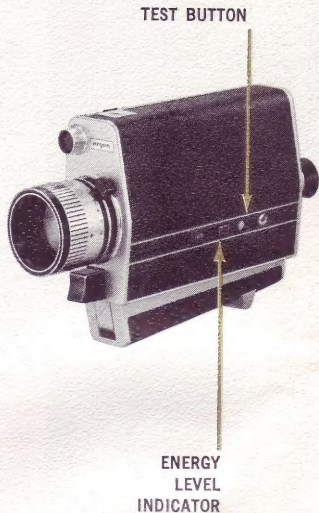
Weak batteries will slow the camera's filming speed and cause action to be greatly exaggerated on the screen. It is a good idea to frequently check the energy remaining in your batteries and replace them with a fresh set at the first sign of weakness.

BATTERY TEST

When the batteries are first installed and every time you use the camera, depress the BATTERY TEST button on the left side of the camera and note the position of the ENERGY LEVEL INDICATOR. If it appears anywhere in the white zone, the batteries are still good. If the indicator appears in the red zone, your batteries are too weak to operate the camera properly and should be replaced.

ELECTRIC-EYE BATTERY

Your camera is equipped with a cadmium-sulfide (CdS) electric eye and a battery-powered automatic exposure control system. Since it has its own power source, the system does not depend on converted light-energy to power the lens-setting mechanism. This enables you to keep on filming with automatic exposure control in low-light situations where ordinary automatic cameras cannot function. It also greatly extends the range of possible film speeds (from ASA 25 to ASA 250) which the automatic exposure system will accommodate.



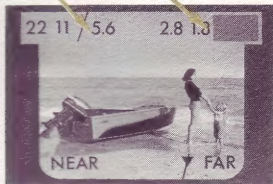


BATTERY COVER

BATTERY COMPARTMENT

LENS OPENING INDICATOR

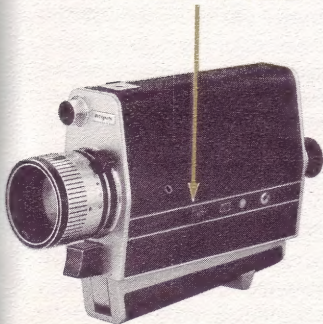
WARNING ZONE



The system is powered by a 1.35-volt mercury battery. (One is supplied with your camera in a slot in the plastic packing.) To install the battery, first press the FILM COMPARTMENT COVER RELEASE to the rear to open the cover. The electric-eye BATTERY COMPARTMENT is located on the inner wall of the camera body. Press the BATTERY COVER slightly inward and turn it to the OPEN position, indicated by the dot, and lift it up and out. Insert the battery in the compartment positive (+) side facing up. Replace the cover by reversing the removal procedure, placing the dot on the cover opposite OPEN and pressing in slightly while turning to CLOSE.

Instead of weakening slowly, this kind of battery generally fails almost immediately when it becomes exhausted. **To check your battery's condition**, look through the DataScope viewfinder while the camera is pointed toward any brightly lighted scene. (Be sure the camera is set on AUTO.) If the battery is still good, the electric-eye mechanism will respond rapidly, showing a movement of the LENS-OPENING INDICATOR away from the red WARNING ZONE, when you depress the trigger release slightly downward (not far enough to run the camera's motor).

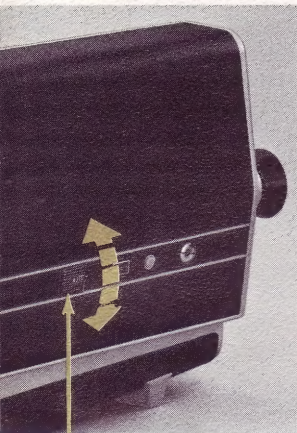
AUTOMATIC -MANUAL CONTROL



If the battery is exhausted, the indicator will not move off of the red zone, and a fresh battery should be installed. Your Argus dealer can supply you with the proper replacement type (MALLORY PX-13, EVEREADY EPX-13, BURGESS HPX-13, or equivalent). The electric-eye exposure control takes power from the battery only when the trigger release is depressed, otherwise the circuit is **automatically off** to conserve power.

... located on the left side of the camera, must be set to AUTO whenever you want to use the automatic exposure control system. When set on AUTO, the camera's lens opening will automatically increase and decrease, while you are filming, continually adjusting for correct exposure in all suitable light conditions. "Suitable" conditions exist whenever the lens-opening indicator swings out of the red warning zone into the clear area marked with lens-opening numbers in the DataScope viewfinder. If the indicator stays in the red zone, there is insufficient light for correct exposure and you should stop filming.

The lens opening being set by the electric-eye (f/1.8 to f/22) is always visible in the DataScope viewfinder when the trigger



AUTO-MANUAL CONTROL

TURN UP TO AUTO . . .
TURN DOWN FOR MANUAL
SETTINGS AND CLAMP.

release is depressed. You can use this feature as a light meter to determine the proper lens setting for unusual conditions where the electric-eye may provide an undesirable exposure.

For instance, if your principal subject is an extremely dark one and in an extremely light background, or if your subject is strongly backlighted, you may elect to use a manual setting.

With the automatic-manual control set on AUTO, hold the camera aimed at your subject at close range (so as to exclude the contrasting background from view) and note the lens-opening setting in the viewfinder as you press slightly downward on the trigger release (not far enough to run the motor). Then return to your shooting position and move the control toward MANUAL until the desired setting is "fixed" in the viewfinder. Now shoot the scene at this MANUAL setting.

Be sure to return the control to AUTO when you want to resume automatic exposure. Moving the dial off AUTO, through MANUAL, until the word CLAMP appears (as far as it will turn) locks the delicate electric-eye mechanism against damage by

sudden jolts or vibration. The control should be set on CLAMP whenever the camera is stored or shipped for any reason.

Remember, whenever you want automatically exposed movies, you must keep this control set on AUTO. Check frequently to see that it has not been unintentionally moved between scenes, and be alert for free movement of the lens-opening indicator in the clear zone of the viewfinder while filming.

SHOOTING

Your Showmaster 822 is equipped with three methods of running the camera to make movies. The TRIGGER RELEASE is used for most pictures while the camera is hand-held, using the built-in pistol grip. A slight **downward** pull with your index finger will turn on the electric-eye exposure control; continuing to depress the trigger release starts the drive motor running. A slight upward movement of the trigger release, while it is fully depressed, locks it in the RUN position. With the camera mounted on a tripod and the release locked on RUN, you can get in the picture yourself! To stop the camera, just press the release slightly **downward** again and let it return forward.



TRIGGER RELEASE

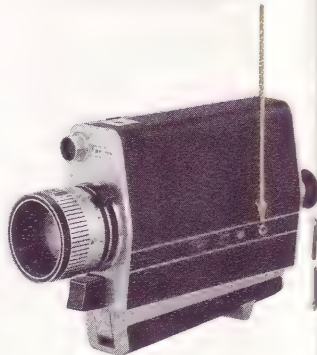
PRESS IN AND UP TO LOCK
ON CONTINUOUS RUN

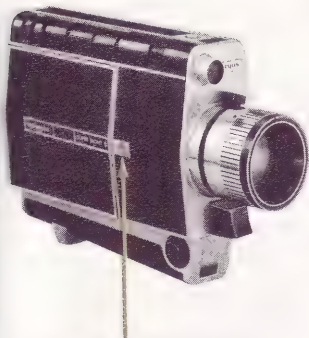
A SAFETY LOCK is provided to prevent running the camera accidentally. On the underside of the trigger release, you'll find a small lever which locks the release when moved to the side, unlocks it when moved to the center again. Keep the release locked whenever the camera is unattended.

A remote control cord is supplied with your camera and attaches in the REMOTE CONTROL SOCKET near the rear of the panel on the left side of the camera. **After the remote control is installed**, depress the trigger release all the way and lock it in the depressed or RUN position by pushing it slightly upward. Locking the trigger in this way will **not** run the camera. Filming is then started by sliding the remote control switch to ON.

A cable release (available from your Argus dealer) can be attached in the CABLE RELEASE SOCKET provided on the **right** side of the camera. Any ASA American-thread release will fit. The cable release, when depressed, starts the camera's drive motor and permits a single frame at a time to be exposed for making titles, animated sequences, or time-lapse movies.

REMOTE CONTROL SOCKET





CABLE RELEASE SOCKET
FOR SINGLE FRAMES ONLY

NOTE: The camera motor will continue to run as long as the cable release is depressed, but the shutter is activated to expose only one frame each time you depress and release the cable plunger. (Do not confuse the motor's running by holding in the cable release plunger with the **actual continuous run** accomplished with the remote control cord.) Both remote control and single-frame filming should be done on a tripod.

INSERTING THE FILM CARTRIDGE

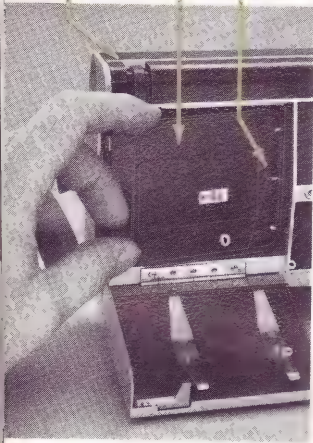
The remarkable Super 8 cartridge is the key to all of the effortless, trouble-free, no-worry features which Argus has built into your camera. It contains a continuous 50-foot run of film. The film is already threaded in its own transport system, with position guides, pressure pad, and take-up sprocket built into the cartridge. A tiny portion of film is exposed at the front edge of the cartridge, ready to engage **automatically** with your camera's drive and shutter mechanism.

All of the usual spools, film gates, guide spindles, pressure pads, threading diagrams, loose ends, and slack, which used to

COVER RELEASE

CARTRIDGE

LOCATING
PIN

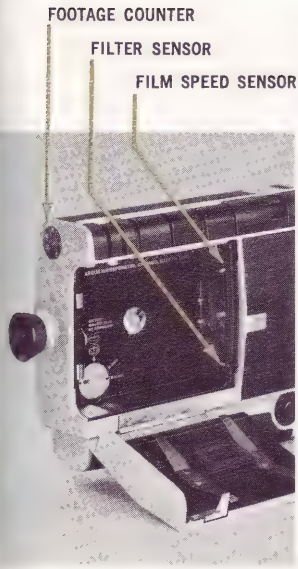


complicate home movie making are eliminated. Instead, you simply open the camera by pressing the **COVER RELEASE** toward the rear, place the cartridge in position at the **LOCATING PIN**, label-side up, press it down, and close the cover. That's all! You're ready to shoot after only a one-second press of the trigger to take up the exposed leader.

In this simple insertion procedure, several vital settings are automatically made in your camera without your touching a single lever or dial.

The camera's **FOOTAGE COUNTER** is automatically reset to **50** and will indicate the number of feet remaining to be exposed in the cartridge. When the counter reaches **0**, stop taking pictures, but continue to run the camera for a few seconds to wind the film through the cartridge to the end. (The motor will seem to speed-up slightly when the end of the film is reached.)

The **FILM SPEED** for the type of film in your cartridge is automatically set in your camera's electric-eye exposure system as soon as you close the cover. A special **FILM SPEED SENSOR**, built into the camera, detects the length of a notch in



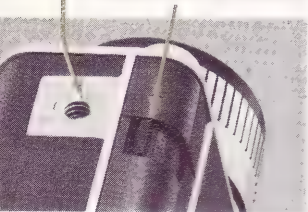
your film cartridge which varies according to the speed of the film. The notch length (short for slow films, longer for faster films) determines the electric-eye adjustment for automatically controlled, perfect exposure. You not only don't have to worry about "setting" the camera, you needn't even be aware of it!

A TYPE-A FILTER will either be in position or removed from position inside your camera **automatically** as soon as you insert the cartridge. A special FILTER SENSOR, built into your camera, detects the presence or absence of another notch in the edge of the film cartridge depending on whether your film is for daylight or for artificial light. Daylight film cartridges will have **no** notch, and the sensor will be depressed as the cartridge is inserted, displacing the filter.

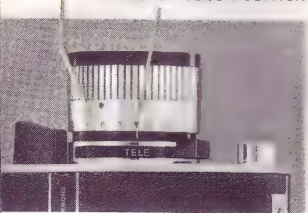
Type-A film cartridges **will** be notched, allowing the sensor to remain extended, keeping the filter in place—compensating for daylight exposure of what is really "indoor" film.

However, as soon as you attach your movie light to the socket on top of your camera, another built-in sensor automatically

FILTER SENSOR IN
MOVIE LIGHT SOCKET
MANUAL FILTER CONTROL



FOCUSING RING
UNIVERSAL FOCUS POSITION



displaces the filter, no longer needed for Type-A film exposed by artificial light. In this way, Type-A film can be used indoors with movie lights, or outdoors in daylight, with color compensation automatically provided.

NOTE: A MANUAL FILTER CONTROL, located on the top edge of the camera near the front, is provided for displacing the filter for INDOOR light conditions with Type-A film when using a **bottom-mounting** movie light, or when filming with other types of artificial light without a movie light. The manual filter control is inoperative when using daylight-type color film or when a top-mounting movie light is in place. Be sure to keep the manual filter control set to OUTDOOR whenever you expose Type-A film in daylight. A portion of the cartridge label showing the type of film in the camera is visible through the window in the film compartment cover.

FOCUSING THE LENS

Your camera's Cintagon lens can be critically focused on subjects as close as four feet, or at any distance up to infinity. If you prefer, set the lens at the UNIVERSAL FOCUS position

(triangle on the focusing ring and in the DataScope viewfinder) and leave it there for all but extremely close-up shots. The range of sharpness at the universal setting is adequate for pictures of most scenes you are likely to shoot. But remember to set the lens **carefully** for close-ups.

Turn the FOCUSING RING until your subject is seen clearly in the viewfinder before you begin filming. The focus setting of the lens is always visible at the bottom of the DataScope viewfinder. The FOCUS POINTER moves from NEAR through the complete range to FAR as you turn the focusing ring. The pointer is particularly useful when you want to “follow-focus” on subjects moving toward or away from the camera as you shoot. Rehearsal of follow-focus shots is recommended.

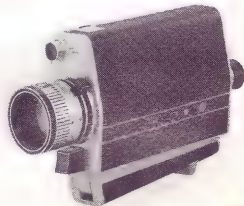
The viewfinder can be adjusted to individual eyesight. First focus the lens, then rotate eyepiece until the image is clear.

VIEWING AND ZOOMING

Your camera's zoom lens is a single lens which does the work of several. Your scenes can be framed as though you had



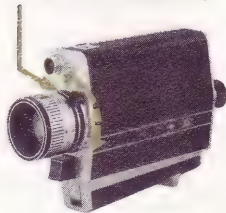
ADJUSTABLE VIEWFINDER
EYEPIECE



backed away from your subject, or as though you had moved in for a close-up—all without your taking a single step. The zooming effect is always visible in the viewfinder (as shown in the illustrations for different lens positions).

To preview the best lens position for your scene before you begin filming, move the **MANUAL ZOOM CONTROL** from wide angle (WIDE) to telephoto (TELE) and back, until you see the desired effect in the viewfinder.

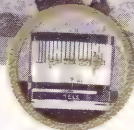
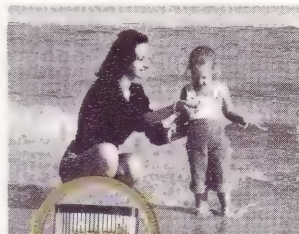
MANUAL ZOOM CONTROL



WIDE ANGLE



NORMAL



TELEPHOTO

Your camera's electric zoom controls operate **only** while the trigger release is pressed and the motor is running. Hold the camera with your left hand over the top and fingers placed on each of the electric controls. While filming, squeeze the **WIDE** button inward to shift the lens to wide angle; squeeze the **TELE** button to shift the lens to telephoto.

Before you begin a "zoom scene," be sure the lens is pre-set to the position **from** which you intend to begin the zoom action.

SLOW MOTION

The center button (**SLOW**) operates **only** while the trigger release is depressed and the camera is running, and changes the camera's filming speed to provide slow-motion movies. The button is marked with ridges to enable you to "feel" it with your finger tip and avoid pressing it accidentally when you mean to use one of the zoom controls.

When you wish to record the action in slow motion, simply squeeze in the **SLOW** button while filming. The camera's speed will increase, photographing the scene on twice the normal length of film. When the film is projected at normal speed, the

ELECTRIC CONTROLS:

WIDE ANGLE ZOOM

SLOW MOTION

TELEPHOTO ZOOM



action will then appear twice as long on the screen and will seem to be slowed down.

TIPS FOR BETTER MOVIES

Always hold the camera as steady as possible when taking movies. Any slight wavering of the camera will be very obvious when your movies are projected. Use a tripod when possible.

Take pictures with the sun behind you whenever possible. The electric eye can "read" the scene and set the lens more accurately if this rule is followed.

"Panning" is the term used when the camera is moved horizontally or vertically when making movies. This should be done slowly and carefully to avoid unwanted effects such as jerking movements and blurring of the picture. When panning scenic pictures, filming in slow motion will greatly improve the smoothness of the projected pictures.

Plan your movies in advance to add a feeling of continuity to them. Try filming your movies in a story sequence instead of a series of unrelated scenes.



CARE AND CLEANING

Time your scenes so that they are at least five or six seconds in length. Scenes can always be cut when editing.

When taking movies indoors with a movie light, be sure you have Type-A film in the camera. The electric eye will set the exposure automatically. Keep your subject closer to the background than to the camera to assure even lighting.

Your Argus Showmaster 822 is a fine precision instrument and deserves the best care. Protect it from jarring or vibration and from extremes of heat, moisture, and dust. Keep the camera set on CLAMP and in the carrying case when not in use.

Clean out the interior of the camera occasionally with a small camel's hair brush. Be sure to brush away any dirt or particles that may be in the film gate or they may show up in your movies. Do not attempt to remove or oil any part of your camera.

To clean the front of the camera lens, blow the dust off first, then use a camel's hair brush or lens tissue. Use lens cleaning fluid sparingly and only if it becomes necessary. Lens cleaning materials are available from your Argus dealer.

SPECIFICATIONS

LENS: f/1.8 Cintagon Zoom, 8.5mm to 35mm focal length range (4:1 ratio); full focusing 4 ft. to infinity; universal focus setting at 12 ft.

LENS OPENINGS: f/1.8 to f/22, automatically controlled by CdS-cell electric eye; manual setting control also provided; automatic compensation for film speed and for built-in filter.

FILMING SPEEDS: 18 frames per second (normal); 32 frames per second (slow motion); single frame release (for accessory cable) provided.

DATASCOPE VIEWFINDER: Reflex (through-the-lens) type; indicators in viewfinder show lens opening setting (automatic and manual), low-light warning signal and lens focus setting.

FILM LOADING: Super 8 Instant Cartridge.

FILM SPEED: ASA 25 to 250.

FILTER SYSTEM: Built-in Type-A filter; automatically positioned by cartridge and movie-light mounting screw; manual control provided.

FILM DRIVE: Electric; powered by 4 size AA penlight batteries; continuous-run lock, remote-control cord socket, cable-release socket, and battery test provided.

ZOOM CONTROL: Electric (coupled with film drive) and manual.

Cut off this card, fold it on dotted line,
and keep it with you for reference.

Argus Super Eight Movie Camera Owner's Identification Card					
CAMERA SERIAL NUMBER					
OWNER'S NAME					
STREET					
CITY & STATE					
PHONE					

CHECK LIST FOR OUTDOOR MOVIES

1. Check batteries for sufficient power; if your batteries are not new and fresh, carry a spare set.
2. Insert film cartridge and press trigger for one second to run-in film leader.
3. Keep Filter Control set to **OUTDOOR**.
4. Set Automatic-Manual Control to **AUTO**.
5. Preview scene framing with Zoom Control, and set the Lens for focus.
6. Hold camera steady, and press Trigger Release.

UNCONDITIONAL GUARANTEE

Your Argus Super Eight Camera is unconditionally guaranteed by the manufacturer to operate properly for a period of one year from the date of original purchase. If, during this period, your camera fails to operate for any reason, Argus, Incorporated, will restore it to operating condition at no charge to you. (This includes all parts and labor.)

This unconditional guarantee applies to the product itself. We regret that we are unable to assume liability for loss of film or for other expense or inconvenience.

This unconditional guarantee is valid only for the original retail purchaser and only if the product is returned prepaid, directly or through an Argus dealer, to the Customer Service Department, Argus, Incorporated, 2080 Lunt Avenue, Elk Grove Village, Illinois 60007, or one of their authorized service locations. The date and place of original purchase must be included, along with a description of the difficulties encountered.

Many apparent product difficulties are actually a matter of incorrect usage. It is always wise to see your Argus dealer before returning the product for servicing.

CUSTOMER SERVICE DEPARTMENT, ARGUS, INCORPORATED

MAIN OFFICE 2080 Lunt Avenue, Elk Grove Village, Illinois 60007
IN CANADA Davis Drive East, Newmarket, Ontario

For the address of the service location nearest you which is authorized to repair Argus products under guarantee, contact your Argus dealer or write to the main office of the Customer Service Department.

SERVICE

For information about your camera, or for service or replacement parts, see your Argus dealer, authorized service location, or write to the main office of the Argus Customer Service Department (address listed at left).

When writing, be sure to mention you have the Argus Showmaster 822 Camera.



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ARGUS CAMERAS OF CANADA, LTD.
Newmarket, Ontario